

11th.—St. Paul, Minn., thunderstorm.
12th.—Near Nashville, Tenn., near Kirksville, Ohio, and Springfield, Mo., thunderstorms.
14th.—Concord and West Milan, N. H., rainstorms. Steele, N. Dak., windstorm.
15th.—Sarcxie, Mo., and Colby, Kans., thunderstorms. East Lynne, Mo., and Meade, Kans., windstorms. Cherokee, Kans., windstorm; 1 person killed and 1 injured. Near Harlan, Iowa, thunderstorm; 1 person and stock killed by lightning.
16th.—Americus, Ga., and Fairford, Ala., thunderstorms. Augusta, Ga., Longshore, S. C., and Silver Creek, Wash., windstorms. Waynesboro, Palo Alto, and Agricultural College, Miss., hailstorms.
17th.—Tampa, Fla., thunderstorm.
21st.—Duluth, Minn., windstorm.
22d.—Westfield, Mass., thunderstorm; a man killed by lightning.

23d.—Anson, Tex., windstorm.
24th.—Orange Park, Fla., thunderstorm. Benton, Tex., windstorm; 15 persons injured. Pinopolis, S. C., and Lytle, Tex., hailstorms.
25th.—Camden, Ark., hailstorm; 2 persons injured. Kirby, Ark., hailstorm. In Meeker County, Minn., thunderstorm; a man and horse killed by lightning. Near Luverne, Minn., thunderstorm; a man killed by lightning. Valley Springs, Minn., thunderstorm; a man killed by lightning.
27th.—Houma, La., thunderstorm. Paradise, Nev., windstorm.
28th.—Algona and Sioux City, Iowa, thunderstorms. Near Butlerville, Utah, thunderstorm; 1 person and 2 horses killed and 1 person injured by lightning.
29th.—Carroll, Iowa, thunderstorm; 5 persons killed by lightning. Ovid, Iowa, and Omaha, Nebr., thunderstorms.
30th.—Whitehall, Wis., thunderstorm; 1 person killed by lightning.

ATMOSPHERIC ELECTRICITY.

The statistics relative to auroras and thunderstorms are given in Table X, which shows the number of stations from which meteorological reports were received, and the number of such stations reporting thunderstorms (T) and auroras (A) in each State and on each day of the month, respectively.

The dates on which reports of thunderstorms for the whole country were most numerous were: 1st, 84; 9th, 94; 12th, 104; 13th, 91; 25th, 127; 26th, 137; 27th, 162.

Thunderstorms were most numerous in Florida, Iowa, Massachusetts, Minnesota, Missouri, Nebraska, and Ohio.

Thunderstorms were most frequent in Florida, where they were recorded on nineteen days; Iowa and Missouri, eighteen days; Nebraska, seventeen days; Georgia, Kansas, North Carolina, and Tennessee, sixteen days.

Auroras.—The evenings on which bright moonlight must have interfered with observations of faint auroras are assumed to be the four preceding and following the date of full moon, viz, from the 4th to the 12th, inclusive. On the remaining twenty-one days of this month 128 reports were received, or an average of about 6 per day. The dates on which the reported number especially exceeded this average were: 10th, 23; 11th, 47; 16th, 25; 19th, 19.

Auroras were reported by a large percentage of observers as follows: New Hampshire, 100; North Dakota, 80; Maine,

100; Minnesota, 35; Wisconsin, 33; Montana, 33; and Washington, 20.

Auroras were most frequent in: Wisconsin, on fourteen days; Minnesota, twelve days; North Dakota, eleven days; and Maine, ten days.

CANADIAN DATA—THUNDERSTORMS AND AURORAS.

Auroras were reported as follows: 1st, 2d, Winnipeg. 5th, Medicine Hat and Battleford. 9th, Winnipeg. 10th, Grand Manan, Quebec, Montreal, and Kingston. 11th, Grand Manan, Father Point, Quebec, Montreal, Kingston, Winnipeg, Minnedosa, Medicine Hat, Edmonton, and Battleford. 12th, Sydney, Charlottetown, Father Point, Minnedosa, and Prince Albert. 13th, Winnipeg, Medicine Hat, Prince Albert, and Edmonton. 16th, Sydney, Grand Manan, Yarmouth, Charlottetown, Father Point, and Port Arthur. 17th, Father Point and Medicine Hat. 18th, Father Point, Port Arthur, and Qu'Appelle. 19th, Grindstone, Yarmouth, Father Point, Winnipeg, Qu'Appelle, and Prince Albert. 20th, Father Point, Montreal, Port Arthur, Winnipeg, Minnedosa, Qu'Appelle, Medicine Hat, and Swift Current. 21st, Grindstone. 22d, Kingston. 24th, Father Point and Minnedosa. 25th, Winnipeg and Minnedosa. 26th, Quebec, Port Arthur, and Minnedosa. 27th, Quebec. 29th, Winnipeg.

Thunderstorms were reported on the 25th at Halifax and on the 26th at Yarmouth.

METEOROLOGY AND MAGNETISM.

By Prof. FRANK H. BIGELOW.

For general remarks relative to this subject see page 7 of the REVIEW for January, 1895.

The comparison of the air temperature with magnetic horizontal force is shown in detail on Chart V, and the special features of the April curves are as follows:

SPECIAL FEATURES OF THE APRIL CURVES.

It is evidently desirable to make the record of comparison between the variations of the magnetic and meteorological systems as complete as possible. The space formerly devoted to the San Antonio observatory is therefore filled by inserting the mean barometer reading of 10 northwest stations, namely,

Huron, Pierre, Moorhead, Bismarck, Williston, Havre, Helena, Miles City, Rapid City, Idaho Falls, and Salt Lake City. The variations are inverted in plotting, the pressure being inverse while the temperature is direct relatively to the magnetic force. The pressures of this region are set back one day for synchronism in April and the succeeding summer months. Thus, April 2 is written and plotted against April 1 to allow for the eastward drift of the highs and lows.

For slope the correction to Williston is -1 , for Toronto -1 , and for Washington -1 . For reduction to the zero base-line the correction for temperature means is -5 , and for magnetic force $+19$.